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Nerlikar

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[54] INFORMATION MANAGEMENT AND SECURITY SYSTEM

[75] Inventor: **Virupax M. Nerlikar**, Plano, Tex.

[73] Assignee: **Texas Instruments Incorporated**,
Dallas, Tex.

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[58] Field of Search **380/23-25; 340/825.34**

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Primary Examiner—Salvatore Cangialosi

Attorney, Agent, or Firm—Ira S. Matsil; James C. Kesterson; Richard L. Donaldson

[57] ABSTRACT

A closed loop, (networked) information management and security system which provides a secure, end-to-end fully automated solution for controlling access, transmission, manipulation, and auditability of high value information comprising an RFID transponder badge **302** and an RF reader transceiver **315** which is associated with a host peripheral or a network. The RF reader transceiver **315** automatically identifies and verifies authorization of the RFID transponder badge holder via a "handshake" prior to allowing access to the host peripheral. The energy generated by the transmission of the interrogation signal from the RF reader means **315** provides a power source which is accumulated and then used to activate a transponder **304** response from the RFID transponder badge **302**. The RF reader/transceiver **315** writes the access transaction on either the RFID transponder badge **302** and/or the host peripheral database or the network controller. Alternatively, the RF reader means **315** may be associated via network server with a LAN, WAN, or MAN. Optionally, an RFID badge **302a** may be powered by an independent power source such as a flatpak battery **314**.

42 Claims, 7 Drawing Sheets

